Emily Potts

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EDUCATION

Columbia University Mailman School of Public Health | New York, NY   Expected May 2024
Master of Science in Biostatistics | Theory & Methods Track | GPA 4.05 / 4.33

Vassar College | Poughkeepsie, NY   May 2022
Bachelor of Arts in Mathematics & Statistics | Minor in International Economics | GPA 3.80 / 4.00

SKILLS

Proficient: R, SAS, SQL, LaTeX, Microsoft Office Suite; **Familiar:** JMP, RegEx, PLINK

RELEVANT COURSEWORK

Graduate: Probability, Data Science, Biostatistical Methods I & II, Relational Databases and SQL Programming, Statistical Inference, Statistical Computing in SAS, Introduction to Randomized Clinical Trials
Undergraduate: Multivariable Calculus, Applied Statistical Modeling, Advanced Linear Algebra, Methods of Applied Math, Statistical Principles for Research, Discrete Math, Clustered and Correlated Data Analysis

EXPERIENCE

Statistical Intern | Regeneron Pharmaceuticals | Rensselaer, NY   May-Aug. 2022
- Developed onboarding for size exclusion chromatography validation. Utilized JMP software to validate the precision, accuracy, linearity, specificity, and robustness of the method to regulatory standards
- Performed industrial statistics applications using JMP and R software, including sampling plans, control charts, equivalence testing, and design of experiments
- Engaged in professional development training, including leadership, emotional intelligence, and technical writing

Research Assistant | Boston University School of Public Health | Boston, MA   June-Aug. 2021
- Recipient of a full merit scholarship to Boston University Summer Institute for Training in Biostatistics, which included modules in clinical trials, statistical genetics, and infectious disease modeling
- Used SAS and R to analyze data from the Framingham Heart Study and Jackson Heart Study. Performed descriptive statistics, ANOVA, Chi-square tests, and multivariable logistic regression
- Collaborated on statistical genetics research using data from Genetic Analysis Workshop 19, culminating in an oral presentation. Used R and PLINK software to perform genome-wide association studies in at-risk Hispanic individuals. Identified both common and rare genetic variants associated with blood pressure in this population

Co-President | Hunger Action Club | Vassar College | Poughkeepsie, NY   Sep. 2018-June 2022
- Led executive board in organizing events aligned with our goal of alleviating hunger in the community.
- Coordinated the preparation and provision of 120 meals each month for recipients at Beulah Baptist Church & ran seasonal food drives for Dutchess County Family Partnership Center
- Responded to unprecedented need in community during COVID-19, increasing fundraising by 300%

TEACHING

Columbia University | New York, NY   Sep. 2022-Present
Introduction to Public Health with Dr. Dana Palmer; (Y)our Longer Life with Dr. Linda Fried & Dr. Dana Palmer

HONORS & AWARDS

Mary Pemberton Nourse Fellowship; Vassar College Departmental Honors; Columbia University Merit Scholarship; AFSCME NJ Scholarship; Bossert Memorial Scholarship; Brown Memorial Scholarship